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### System and method for multi-level token management for distributed file systems

LK Loucks, AA Shaheen - US Patent 5,634,122, 1997 - Google Patents

... to a file by a local process does not suffer a time penalty ... available token to the requesting client. ... In FIG. 4, the local token manager, Itkm (422) synchro-

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### Distributed token management in Calypso file system

A Mohindra, M Devarakonda, IBM TJW Center, Y ... - Parallel and Distributed Processing, 1994. Proceedings. ..., 1994 - [ieeexplore.ieee.org](#)

... token, it updates the LLM-table4 and grants the lock to the requesting process. ... the

LLM informs the LCS to update the LCS-table and grant the token to the ...

Cited by 24 - [Related articles](#) - [Web Search](#)

### A world-wide distributed system using Java and the Internet - [u-aizu.ac.jp](#) [PDF]

KM Chandy, A Rifkin, PAG Sivilotti, J Mandelson, M ... - High Performance Distributed Computing, 1996., Proceedings ..., 1996 - [ieeexplore.ieee.org](#)

... for information exchange and for client-server applications ... of design documents

requires that modifications to parts ... The state of a process may be accessed ...

Cited by 95 - [Related articles](#) - [Web Search](#) - All 19 versions

### System for awarding token to client for accessing first data block specified in client request ...

RB Bennett, E Johnson, TL Woodnorth - US Patent 5,852,747, 1998 - Google Patents

... lock on a shared file if the file is available. ... The server includes a token manager which receives the request ... and in response implements a process to determine ...

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### [PDF] • DEcorum File System Architectural Overview

ML Kazar, BW Leverett, OT Anderson, V Apostolides, ... - Atlanta, 1986 - [surfvi.com](#)

... require a lengthy file system salvage process after a ... this technique is not always

available, since in ... client with the server node's token manager as having ...

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### Multi-level token management for distributed file systems

LK Loucks, AA Shaheen - EP Patent 0,720,091, 1996 - [freepatentsonline.com](#)

... MDFS of figure 5 is used to demonstrate this process. ... To make a fileset y available for read and write ... clients, mtkm must acquire an Open\_Write token for y ...

[Web Search](#) - All 3 versions

## Recovery in the Calypso file system - [•ibm.com \[HTML\]](#)

M Devarakonda, B Kish, A Mohindra - ACM Transactions on Computer Systems (TOCS), 1996 - portal.acm.org

... the node status service instantiates a recovery controller **process**. ... and then packages

its **token** and lock ... state of the file system to "available" and resume ...

Cited by 56 - Related articles - Web Search - BL Direct - All 7 versions

## Parallel file system and method with byte range API locking

FB Schmuck, B Shmueli, JC Wyllie, AJ Zlotek, WA ... - US Patent 5,999,976, 1999 - freepatentsonline.com

... If another node is in the **process** of writing from 5000 to 6000, the **token** acquisition

may delay the operation. ... If the **token** is **available** locally, it is ...

Cited by 2 - Related articles - Web Search - All 3 versions

## Systematic Composition of Distributed Objects: Processes and Sessions - [•caltech.edu \[PDF\]](#)

KM Chandy, A Rifkin - The Computer Journal, 1997 - Br Computer Soc

... an infrastructure that supports the systematic **modification** of the ... FIGURE 4. **Process**

P creates a new input queue X. are widely **available**: Java [9], TCP/IP [10] ...

Cited by 3 - Related articles - Web Search - BL Direct - All 11 versions

## Heterogeneous filing system with common API and reconciled file management rules

EJ Bendert, RB Bennett, ES Berman, SM Farrell, E ... - US Patent 5,668,958, 1997 - freepatentsonline.com

... readers from said second API currently **available** to read ... a flow chart illustrating

a **process** for implementing ... must callback the object read **token** from Client C ...

Cited by 14 - Related articles - Web Search - All 3 versions

## Parallel file system and method for parallel write sharing

FB Schmuck, B Shmueli, AJ Zlotek - US Patent 5,987,477, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

Cited by 13 - Related articles - Web Search - All 5 versions

## Parallel file system and method for granting byte range tokens

FB Schmuck, RJ Curran, B Shmueli - US Patent 5,950,199, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

Cited by 7 - Related articles - Web Search - All 5 versions

## [PS] [•Fast Crash Recovery in Distributed File Systems](#)

MLG Baker - 1994 - cs.berkeley.edu

... CCR-89-00029, and NASA/DARPA grant NAG2-591 ... redundant hardware) will not be **available** until that ... In addition, Sprite provides **process** migration [Dougli91] which ...

Cited by 38 - Related articles - View as HTML - Web Search - Library Search - All 13 versions

## Parallel file system and method with a metadata node

FB Schmuck, R Curran, JC Wyllie, B Shmueli - US Patent 5,974,424, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

[Cited by 7](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

## [PDF] • A Distributed Consistency Server for the CHORUS System

V Abrosimov, F Armand, MI Ortega - 3rd Symposium on Experiences with Distributed and ..., 1992 - teaser.fr

... writing an address location within the **process** address space ... shared between two processes, every **modification** made by ... context of caching, a lease grants to its ...

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## Parallel file system and method with extensible hashing

FB Schmuck, JC Wyllie, TE Engelsiepen - US Patent 5,893,086, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

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## Parallel file system and buffer management arbitration

FB Schmuck, RL Haskin, DL McNabb, JC Wyllie - US Patent 5,963,963, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

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## Parallel file system with extended file attributes

FB Schmuck, E Johnson, TE Engelsiepen - US Patent 5,940,841, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

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## Parallel file system and method with quota allocation

FB Schmuck, JC Wyllie, RJ Curran, ZY Yehudai, RL ... - US Patent 5,946,686, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

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## Parallel file system and method anticipating cache usage patterns

FB Schmuck, JC Wyllie, ZY Yehudai, B Mandler - US Patent 5,940,838, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing this, they could both read ... structure, a node must obtain a **token** for each ...

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## Parallel file system and method with allocation map

FB Schmuck, RL Haskin, ZY Yehudai, JC Wyllie - US Patent 5,960,446, 1999 - Google Patents

... With proper **tokens**, this processing directly accesses the disk ... Any **available** path  
can be used avoiding a ... states needed for the metanode **process**- ing required ...

Cited by 9 - Related articles - Web Search - All 3 versions

## Parallel file system with a quota check utility

FB Schmuck, RJ Curran, JC Wyllie, S Schaller - US Patent 5,956,734, 1999 - freepatentsonline.com

... Hashing works by dividing the **available** storage space into a ... In the **process** of doing  
this, they could both read ... structure, a node must obtain a **token** for each ...

Cited by 3 - Related articles - Web Search - All 3 versions

## [PDF] •Sizing and Tuning GPFS

M Barrios, International Business Machines ... - 1999 - zivcluster.uni-muenster.de

... When you send information to IBM, you **grant** IBM a ... POSIX functions will run on GPFS  
without **modification** or re ... on an actively changing file is **available** to all ...

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Key authors: M Devarakonda - A Mohindra - K Chandy - F Schmuck - M Kazar

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